Index of Claims

| Application | ı No. |
|-------------|-------|

10/751,357 Examiner

Kimberly S Smith

Applicant(s)

KIEHL, BENJAMIN WILBUR

Art Unit

3644

| 7 | Rejected |
|---|----------|
| , | Painatad |

| ı | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                | aim      | Date     |              |          |            |            |              |              | 1        | Claim Date |          |          |          |          |          |          |          | Claim Date |          |           |          |                |          |            |               |          |         |           |           |           |          |           |          |
|--------------------|----------|----------|--------------|----------|------------|------------|--------------|--------------|----------|------------|----------|----------|----------|----------|----------|----------|----------|------------|----------|-----------|----------|----------------|----------|------------|---------------|----------|---------|-----------|-----------|-----------|----------|-----------|----------|
| <del>       </del> |          | 1/2      |              |          |            |            |              |              |          |            | $\vdash$ |          | -        | -        | 7        | ᆛ        | alt      | · 1        |          | $\neg$    | _        |                |          |            |               |          |         |           |           |           |          |           |          |
| Final              | Original | 4/201    |              |          |            |            |              |              |          |            |          | Final    | Original |          |          |          |          |            |          |           |          |                | Final    | Original   |               |          |         |           |           |           |          |           |          |
|                    | 1        | V        | 1            |          |            | T          | ऻ            | ⇈            | Г        |            | 1        |          | 51       |          |          | <u> </u> |          |            |          | $\exists$ | ヿ        | $\neg$         |          | 101        |               | $\dashv$ | 十       | 寸         | $\exists$ | $\neg$    |          | ヿ         |          |
|                    | 2        | フ        |              | Т        |            | T          | T            | Т            |          |            | 1        |          | 52       | $\vdash$ |          |          | П        |            |          |           |          | 7              |          | 102        |               | +        | 十       | _         |           | ヿ         | _        | 寸         | _        |
|                    | 3        | Ì,       |              |          | $\vdash$   | T          | T            | T            | T        |            |          |          | 53       | Г        | $\vdash$ | $\vdash$ |          |            |          | $\exists$ |          | $\exists$      |          | 103        | $\vdash$      | +        | 十       | 7         | ᅥ         | 寸         | 寸        | 寸         | _        |
|                    | 4        | ノ        | $\Gamma$     | Π        | Ī          |            |              |              | Ī        |            | 1        |          | 54       | 1        |          |          |          |            | $\neg$   | $\neg$    | $\neg$   | ヿ              |          | 104        | $\Box$        | T        | T       | 7         | $\neg$    | 寸         | ╗        | ヿ         |          |
|                    | 5        | 7        | Т            | Г        |            |            |              | Г            |          | ·          | 1        |          | 55       |          |          |          |          |            | $\neg$   |           | $\neg$   | $\neg$         |          | 105        | $\Box$        | ┪        | す       | ╅         | ヿ         |           |          | $\dashv$  |          |
|                    | 6        |          |              | Г        |            |            |              |              | Γ        |            | 1        |          | 56       |          |          |          |          |            |          |           | ヿ        | ヿ              |          | 106        |               | 7        | ヿ       | 寸         | _         | ヿ         | 寸        | $\dashv$  |          |
|                    | 7        |          |              | Π        |            |            | Π            |              | Г        |            | 1        |          | 57       |          |          |          |          |            | T        | T         |          | 7              |          | 107        | $\Box$        |          | $\top$  | $\neg$    | コ         |           | ヿ        | ヿ         |          |
|                    | 8        |          |              |          |            |            |              |              |          |            | ]        |          | 58       |          |          |          |          |            |          |           |          |                |          | 108        |               |          |         |           | コ         |           |          | $\exists$ |          |
|                    | 9        |          |              |          |            |            | $oxed{oxed}$ |              |          |            | ļ., .    |          | 59       |          |          |          |          |            |          |           |          |                |          | 109        |               |          |         |           |           |           | П        | $\Box$    |          |
|                    | 10       |          |              |          |            |            |              | L            |          |            | ] [      |          | 60       |          |          |          |          |            |          |           |          | 1              |          | 110        |               |          |         |           |           |           | T        | $\neg$    |          |
|                    | 11       |          | 乚            | _        | _          | 匚          | L            | L            | L        | _          |          |          | 61       |          |          |          |          |            |          |           |          |                |          | 111        |               |          |         |           |           |           |          | $\Box$    |          |
|                    | 12       |          | L            | L.       |            | <u> </u>   | 乚            | <u> </u>     |          |            |          |          | 62       |          | L        |          |          |            | _        | _         | $\Box$   |                |          | 112        |               |          |         |           |           |           |          |           |          |
| $\square$          | 13       | _        | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>     | $oxed{oxed}$ | Ш        |            |          | <u> </u> | 63       | <u> </u> | L        | Ш        | Ш        |            | _        |           | _        |                |          | 113        |               |          |         | _[        | _[        | [         |          | $\perp$   |          |
|                    | 14       |          | ╙            | _        | ╙          | ╙          | <u> </u>     | L            | _        |            |          |          | 64       | _        |          |          |          | _          | _        |           | _        |                |          | 114        |               | $\perp$  | $\perp$ |           |           | $\perp$   |          | $\dashv$  |          |
| $\vdash$           | 15       | _        | _            | <u> </u> | <u> </u> _ | <b> </b> _ | <u> </u>     | <u> </u>     | <u> </u> | _          | Į        |          | 65       | <u> </u> |          | Ш        | Ш        |            | _        |           | _        | _ `.           |          | 115        | $\sqcup$      | _        | _       | _         | _         |           | _        | _         | _        |
|                    | 16       |          | ᆫ            | L        | _          | <u> </u>   | _            | ╙            | _        | _          | Į        |          | 66       | _        |          |          |          | _          | $\perp$  | _         | _        | _              |          | 116        |               | _        | $\perp$ | _         | _         | _         | _        | 4         | _        |
| $\vdash$           | 17       | _        | _            |          | L          | <u> </u>   |              | <u> </u>     |          |            |          | L        | 67       |          |          |          |          | _          |          | 4         | 4        | _              |          | 117        |               | 4        | 4       | _         | _         | _         | 4        | _         | _        |
|                    | 18       |          |              |          | <u> </u>   | <u> </u>   |              | <u> </u>     | _        | _          | l.       |          | 68       | _        |          |          |          | _          | _        | _         | _        | _              | <u> </u> | 118        |               | _        | 4       |           |           | _         | _        | 4         | _        |
|                    | 19       |          | <u> </u>     | ┡        | L          | <u> </u>   |              | ╙            | _        |            |          |          | 69       | _        |          |          | Ц        |            |          | _         | _        | 4              |          | 119        |               | _        | 4       | _         | _         | 4         | _        | 4         | _        |
| $\vdash$           | 20       |          | L            | _        |            | <u> </u>   | L            | ┕            | L        | <u> </u>   |          |          | 70       | _        |          |          | $\Box$   |            | _        | _         | _        | 4.             |          | 120        |               | 4        | 4       | 4         | _         | _         | _        | 4         | ᅴ        |
| _                  | 21       | _        | <u> </u>     | <u> </u> | -          | _          | ļ            | <b>├</b>     | L        |            | l        |          | 71       |          |          | _        | $\vdash$ | _          |          | _         | 4        |                | <u> </u> | 121        |               | 4        | 4       | 4         | _         | 4         | 4        | _         | 4        |
|                    | 22       | _        |              | _        | H          | ⊢          | ⊢            | ├            | <u> </u> | _          | ļ        | <u> </u> | 72       | $\vdash$ |          | _        |          | $\dashv$   | -        | _         | -        | _              |          | 122        | $\dashv$      | -        | 4       | 4         |           | $\dashv$  | _        | $\dashv$  | _        |
| $\vdash$           | 23<br>24 | <u> </u> |              |          | -          | ⊢          | <u> </u>     | ⊢            | H        | _          |          |          | 73       |          |          | -i       | $\dashv$ |            | -        | _         | $\dashv$ |                | -        | 123        | $\rightarrow$ | +        | +       | $\dashv$  | 4         | $\dashv$  |          | $\dashv$  | $\dashv$ |
| $\vdash$           | 25       |          | H            | ⊢        | -          | ├          | ⊢            | H            | $\vdash$ | _          | l        |          | 74       | <u> </u> | Н        | _        | $\dashv$ | -          |          |           | $\dashv$ |                | <u> </u> | 124        |               |          | +       | -         | $\dashv$  | 4         | -        | -         | 괵        |
| $\vdash$           | 26       |          |              |          |            | ⊢          | H            | -            | -        |            | ł        | $\vdash$ | 75<br>76 | $\vdash$ | Н        |          |          | $\dashv$   | $\dashv$ | $\dashv$  |          |                | -        | 125<br>126 | $\vdash$      | -        | +       | $\dashv$  | $\dashv$  | 4         |          | +         | 긕        |
| $\vdash$           | 27       |          | ⊢            | $\vdash$ | -          | $\vdash$   | H            | Н            |          |            | {        | -        | 77       | -        |          |          | $\vdash$ | -          | $\dashv$ | $\dashv$  | $\dashv$ |                | -        | 126        | -             | +        | +       | +         | $\dashv$  | +         |          | +         | $\dashv$ |
| $\vdash$           | 28       |          | $\vdash$     | $\vdash$ | _          | ⊢          | -            | ⊢            | H        |            | 1        |          | 78       | Н        |          | Н        |          |            | -        | $\dashv$  | $\dashv$ | $\dashv$       |          | 128        | $\dashv$      | +        | +       | -         | $\dashv$  | -         |          | $\dashv$  | $\dashv$ |
| $\vdash$           | 29       |          | -            | -        | _          | -          | $\vdash$     | ⊢            | -        | _          |          | -        | 79       | Н        | _        | Н        |          | $\dashv$   | -        |           | $\dashv$ | $\dashv$       |          | 129        |               | +        | +       | $\dashv$  |           | -         | $\dashv$ | +         | $\dashv$ |
| -                  | 30       | -        |              |          | _          | ┢          |              | ⊢            | Н        |            |          | -        | 80       | $\vdash$ | -        | $\vdash$ | -        | -          | +        | -         |          | -              |          | 130        | +             | +        | +       | $\dashv$  |           | +         | $\dashv$ | $\dashv$  | ᅴ        |
| $\vdash$           | 31       |          |              | $\vdash$ | -          |            | $\vdash$     | -            | -        | -          |          | $\vdash$ | 81       | $\vdash$ | H        | Н        |          | $\dashv$   | $\dashv$ |           | $\dashv$ |                | -        | 131        |               |          | +       | ┵         | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ |
| -                  | 32       |          | <del> </del> | -        |            | $\vdash$   | $\vdash$     |              | Н        | -          |          | _        | 82       |          |          | $\vdash$ | $\dashv$ |            | $\dashv$ | $\dashv$  | $\dashv$ |                | $\vdash$ | 132        | +             | ╁        | ╁       | ╅         | ┥         | -+        | $\dashv$ | $\dashv$  | $\dashv$ |
| $\vdash \dashv$    | 33       | _        | $\vdash$     | $\vdash$ | _          | $\vdash$   | $\vdash$     |              | Н        |            |          | $\vdash$ | 83       |          |          | -        | $\dashv$ | $\dashv$   | -        | $\dashv$  | $\dashv$ |                | -        | 133        |               | +        | +       | ╅         | ⇥         | ┪         | +        | +         | $\dashv$ |
| $\vdash$           | 34       | _        | $\vdash$     | $\vdash$ |            | $\vdash$   |              |              | Н        |            | l        |          | 84       |          | -        |          | $\dashv$ | $\dashv$   | -        | -         | $\dashv$ | $\dashv$       | $\vdash$ | 134        | -             | +        | +       | ┰         | +         | ╅         | +        | $\dashv$  | ᅱ        |
|                    | 35       | -        |              |          |            | -          |              | Н            | Н        |            | 1        | $\vdash$ | 85       | $\vdash$ |          | -        |          | $\exists$  | $\dashv$ | $\dashv$  | -        | $\dashv$       |          | 135        | $\dashv$      | +        | +       | $\dashv$  | ᅱ         | $\dashv$  | $\dashv$ | $\dashv$  | ᅱ        |
|                    | 36       |          |              |          |            | <u> </u>   |              |              | H        |            | 1        | Н        | 86       | Н        | $\neg$   | $\vdash$ |          | 寸          | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv \cdot$ |          | 136        | - +           | +        | ╅       | $\dashv$  | 寸         | -+        | $\dashv$ | +         | ᅥ        |
| $\vdash$           | 37       |          |              |          |            |            |              | $\vdash$     | Н        |            |          |          | 87       |          |          |          | T        | ┪          | _        | $\dashv$  | $\dashv$ | ٦.             | $\vdash$ | 137        | $\dashv$      | +        | 十       | ┪         | $\dashv$  | _         | +        | $\dashv$  | $\dashv$ |
|                    | 38       |          |              |          |            |            |              |              | П        |            | ı        |          | 88       |          |          |          | $\dashv$ | 7          | 7        | 寸         | $\dashv$ | ┥.             | $\vdash$ | 138        | $\dashv$      | +        | 十       | $\dashv$  | $\dashv$  | 十         | $\dashv$ | $\dashv$  | ᅱ        |
|                    | 39       |          | М            |          |            | Г          |              | П            | М        |            | ĺ        | Н        | 89       | Н        | $\dashv$ |          | $\dashv$ | $\dashv$   | 寸        | 寸         | +        | $\dashv$       |          | 139        | 十             | $\dashv$ | 十       | $\dashv$  | $\dashv$  | 7         | $\dashv$ | 十         | $\dashv$ |
|                    | 40       | _        | П            |          |            |            | $\Box$       | П            |          | $\neg$     |          |          | 90       | Н        |          |          | $\dashv$ | 1          | _        | 寸         | 寸        | $\dashv$       |          | 140        | 十             | +        | +       | 7         | 7         | 十         | _        | $\dashv$  | ㅓ        |
| $\Box$             | 41       |          | П            | П        | П          | Г          |              |              | П        |            |          |          | 91       | Н        |          |          |          | $\dashv$   | 7        | _         | $\dashv$ | $\dashv$       |          | 141        | 十             | $\dashv$ | +       | $\dagger$ | $\dashv$  | $\dashv$  | $\dashv$ | 十         | ᅱ        |
|                    | 42       |          | П            | П        |            | $\vdash$   | П            | П            | П        |            | -        |          | 92       | П        |          |          | $\neg$   | 寸          | 7        | 7         | 7        | 7              |          | 142        | $\dashv$      | +        | $\top$  | 寸         | 7         | +         | $\dashv$ | 十         | ㅓ        |
|                    | 43       |          |              | П        |            |            | П            | П            | П        | $\exists$  | 0        |          | 93       |          |          |          | $\neg$   | 7          | 寸        | 寸         | 7        | $\neg$         |          | 143        | $\dashv$      | $\top$   | +       | 7         | 7         | $\dashv$  | $\dashv$ | 十         | ᅴ        |
|                    | 44       |          |              |          |            |            |              | П            |          |            |          |          | 94       |          |          |          | $\neg$   | 7          | _        | 一         | $\dashv$ | ヿ              |          | 144        | _             | $\top$   | 十       | 7         | $\dashv$  | $\dashv$  | 寸        | $\forall$ | ᅱ        |
|                    | 45       |          |              |          |            |            |              | П            | П        |            |          |          | 95       |          |          |          | ヿ        | $\neg$     |          | $\neg$    | $\dashv$ | ヿ              |          | 145        | $\top$        | 十        | $\top$  | $\top$    | 7         | $\dashv$  | 7        | $\dashv$  | ᅱ        |
|                    | 46       |          |              |          |            |            |              |              |          |            |          |          | 96       |          |          |          | ヿ        | $\neg$     | 7        | $\dashv$  | $\top$   | 7              |          | 146        | 十             | 十        | $\top$  | $\top$    | $\dashv$  | _         | 寸        | 十         | ᅱ        |
|                    | 47       |          |              |          |            |            |              |              |          |            |          |          | 97       |          |          |          | 1        |            |          |           |          |                |          | 147        |               |          | T       | $\top$    | 1         | $\dashv$  | $\neg$   | 十         | ヿ        |
|                    | 48       |          |              |          |            |            |              |              |          |            |          |          | 98       |          |          |          |          | J          | J        | 丁         |          |                |          | 148        |               | $\Box$   | $\top$  | $\top$    |           | $\exists$ | $\neg$   | $\top$    | ヿ        |
|                    | 49       |          |              |          |            |            |              |              |          |            |          |          | 99       |          |          |          |          | 丁          | 丁        | 丁         |          |                |          | 149        |               | J        | $\top$  | ╛         |           |           | $\neg$   | 十         | ٦        |
| Ш                  | 50       |          | Ш            |          |            |            | $\square$    |              |          |            |          | oxdot    | 100      |          |          |          |          | T          | I        | T         | T        |                |          | 150        | T             | Т        | T       | T         | Т         | $\Box$    | T        | $\top$    | ┑        |